

**APPLICATION FOR PERMIT
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA**

Date of filing in State Engineer's Office..... JUL 25 1980
Returned to applicant for correction.....
Corrected application filed.....
Map filed..... JUL 25 1980 under 41890

The applicant Sunoco Energy Development Company
12700 Park Central Pl., Box 9, Suite 1500, of Dallas,
Street and No. or P.O. Box No. City or Town
Texas (75251), hereby make application for permission to appropriate the public
State and Zip Code No.
waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) Incorporated January 2, 1975
in the State of Delaware

1. The source of the proposed appropriation is Underground Well No. 77-19
Name of stream, lake or other source.
2. The amount of water applied for is 3.25 second-feet
One second-foot equals 448.83 gals. per min.
(a) If stored in reservoir give number of acre-feet acre-feet
3. The water to be used for Industrial
Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.
4. If use is for:
 - (a) Irrigation (state number of acres to be irrigated)
 - (b) Stockwater (state number and kinds of animals to be watered)
 - (c) Other use (describe fully under "No. 12. Remarks")
 - (d) Power:
 - (1) Horsepower developed
 - (2) Point of return of water to stream
5. The water is to be diverted from its source at the following point: SE¼ SE¼ Section 19, T24N, R37E,
M.D.B.&M., or at a point from which the Northwest corner of Section 5, T24N, R37E,
Describe as being within a 40-acre subdivision of public survey, and by course and distance to a section corner. If on unsurveyed land,
M.D.B.&M. bears, N 03° 31' 28" E a distance of 20,280.7 feet
it should be stated.
6. Place of use Section 32, T25N, R37E, M.D.B.&M., Sections 4, 5, 6, 7, 8, 17, 18, 19,
Describe by legal subdivision, if on unsurveyed land it should be so stated.
20, 21, T24N, R37E, M.D.B.&M., Sections 12, 13, 24, T24N, R36E, M.D.B.&M.
7. Use will begin about January 1 and end about December 31, of each year.
Month and Day Month and Day
8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) Drill well to approximately 6000 feet, install casing and cement back to surface to protect fresh water zones. Hot water or steam will flow through pipeline to electric plant.
State manner in which water is to be diverted, whether by dam or other works, whether through pipes, ditches, flumes, or other conduits.

This application is for a geothermal well with a production of 2.1 million gallons per day. The withdrawal will be 2352 acre feet per year; however, the high temperature water would be flashed with the net effect of 210,000 gallons per day being beneficially used and the remaining water returned to the reservoir so only 235 acre feet per year is actually used. This application is commingled with other applications.

Applicant. SUNOCO ENERGY DEVELOPMENT COMPANY

By s/Richard W. Arden
Richard W. Arden, Agent
950 Industrial Way
Sparks, Nevada (89431)

Compared...bc/ bl

OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed.....cubic feet per second.....

Actual construction work shall begin on or before.....

Proof of commencement of work shall be filed before.....

Work must be prosecuted with reasonable diligence and be completed on or before.....

Proof of completion of work shall be filed before.....

Application of water to beneficial use shall be made on or before.....

Proof of the application of water to beneficial use shall be filed on or before.....

Map in support of proof of beneficial use shall be filed on or before.....

Commencement of work filed..... IN TESTIMONY WHEREOF, I.....
Completion of work filed..... State Engineer of Nevada, have hereunto set my hand and the seal of
Proof of beneficial use filed..... my office, this..... day of.....

Cultural map filed.....
Certificate No. **AGENT** issued **FEB 2 1982** A.D. 19.....

WITHDRAWN BY APPLICATION FEB 7 1962
 Peter L. Morosoff
 218 (Rev) STATE ENGINEER